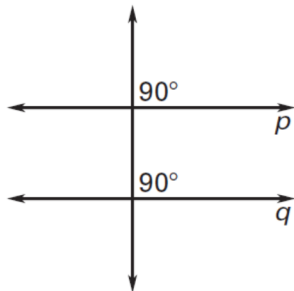
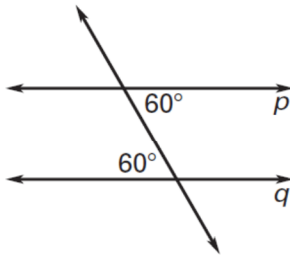


Is there enough information to prove that lines  $p$  and  $q$  are parallel? If so, state the postulate or theorem you would use.

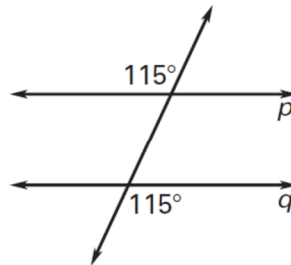
1.



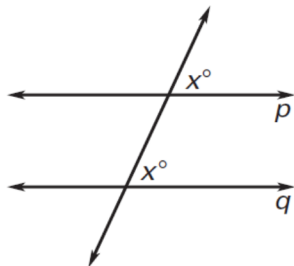
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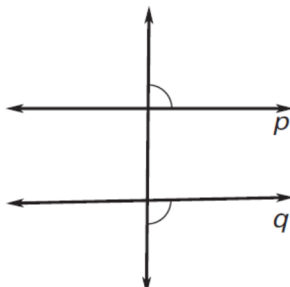
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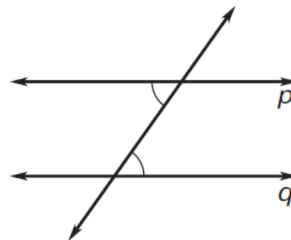
4.



5.

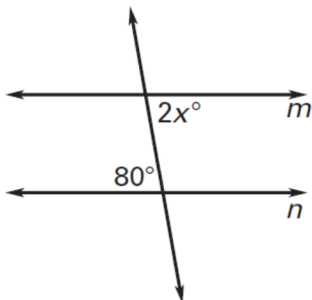


6.

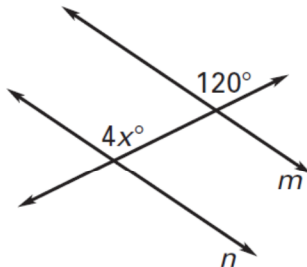


Find the value of  $x$  that makes  $m \parallel n$ .

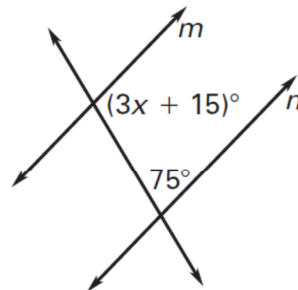
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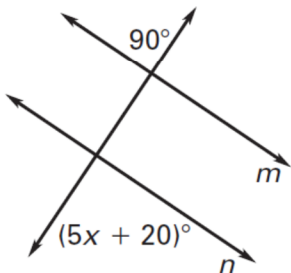
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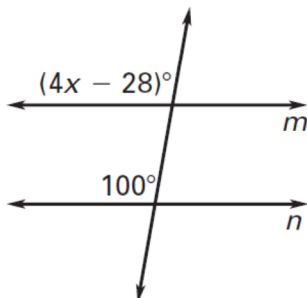
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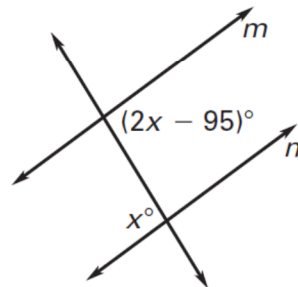
10.



11.



12.



For #13- 18, use the given information to decide if  $m \parallel n$ ,  $p \parallel q$ , or *neither*.

13)  $\angle 2 \cong \angle 11$

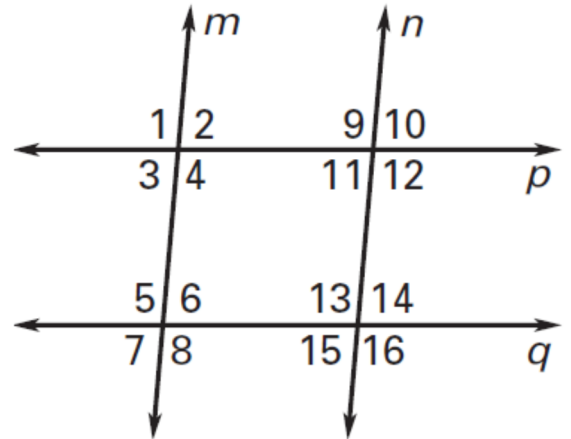
14)  $\angle 3 \cong \angle 6$

15)  $\angle 10 \cong \angle 15$

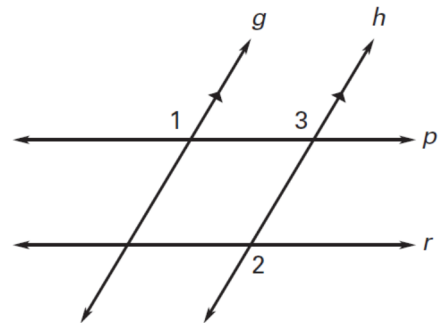
16)  $\angle 14 \cong \angle 15$

17)  $\angle 4 + \angle 11 = 180^\circ$

18)  $\angle 12 + \angle 14 = 180^\circ$



- 19) Given that  $g \parallel h$ ,  $\angle 1 \cong \angle 2$ , explain in sentences how you can prove that  $p \parallel r$ .



- 20) Given that  $g \parallel h$ ,  $\angle 1 \cong \angle 2$ , explain in sentences how you can prove that  $p \parallel r$ .

